

LIST OF PUBLICATIONS

Publications in Peer-Reviewed Journals

Publications related to thesis:

- 1. Optical Properties and Band gap tuning by co-doping of Sb in Fe doped SnTe bulk alloys**
Sitara Menon, Mitesh Sarkar, Solid State Technology, Volume 63, 22584 (2020).
- 2. Transition from Metallic to Insulating Nature and Room Temperature Ferromagnetism of $\text{Fe}_{0.05}(\text{SnTe})$ Bulk Alloy**
Sitara Menon, Mitesh Sarkar, Satyendra Singh Nirvan, R. Venkatesh, Journal of Superconductivity and Novel Magnetism, Volume 35, 1113 (2022).
- 3. Transition from paramagnetism to ferromagnetism through additional hole doping of non-magnetic antimony in iron doped tellurium alloy**
Sitara Menon, Mitesh Sarkar, Physica Scripta, Volume 97, 125824 (2022).
- 4. Magnetic glassy state in combination with ferromagnetism in $\text{Fe}_{0.05}(\text{SnTe})_{0.97}\text{Sb}_{0.03}$ bulk alloy**
Sitara Menon, Mitesh Sarkar, Satyendra Singh, R. Venkatesh, Materials Research Express, Volume 10, 044002 (2023).

Publications in Conference Proceedings

1. Structural, Elemental and Optical Properties of Fe doped (SnSe)_{1-x}Sb_x Bulk Alloys

Sitara Menon, Mitesh Sarkar, Materials Today:Proceedings, Volume 47, 677 (2021).

2. Doping and Co-doping effects of Fe and Sb on the structural and optical properties of elemental Tellurium

Sitara Menon, Mitesh Sarkar, Materials Today:Proceedings, Volume 67, 215 (2022).

Publications not related to thesis:

1. Room temperature magnetic ordering in very dilute Iron doped with and without selenium substitutions in antimony matrix

Mitesh Sarkar, **Sitara Menon**, Hyperfine Interactions, Volume 242, 1 (2021).

2. Tuning of structural, band gap and optical properties through Sb substitution in Fe doped GeTe bulk alloys

Nileshkumar Parmar, **Sitara Menon**, Mitesh Sarkar, Materials Today:Proceedings, <https://doi.org/10.1016/j.matpr.2023.02.014>.